

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: WAKAMIYA, Nobutaka
- (ii) TITLE OF INVENTION: RECOMBINANT CONGLUTININ AND PRODUCING METHOD THEREOF
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 - (B) STREET: 233 South Wacker Drive/6300 Sears Tower
 - (C) CITY: Chicago
 - (D) STATE: Illinois
 - (E) COUNTRY: United States of America
 - (F) ZIP: 60606-6402
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/JP96/00173
 - (B) FILING DATE:
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/JP95/02035
 - (B) FILING DATE: 02-OCT-1995
- (viii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: JPA - 209698
 - (B) FILING DATE: 17-AUG-1995
- (ix) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Gass, David A.
 - (B) REGISTRATION NUMBER: 38,153
 - (C) REFERENCE/DOCKET NUMBER: 19036/34546
- (x) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (312) 474-6300
 - (B) TELEFAX: (312) 474-0448

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 351 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: not relevant

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ala Glu Met Thr Thr Phe Ser Gln Lys Ile Leu Ala Asn Ala Cys Thr
1 5 10 15

Leu Val Met Cys Ser Pro Leu Glu Ser Gly Leu Pro Gly His Asp Gly
20 25 30

Gln Asp Gly Arg Glu Cys Pro His Gly Glu Lys Gly Asp Pro Gly Ser
35 40 45

Pro Gly Pro Ala Gly Arg Ala Gly Arg Pro Gly Trp Val Gly Pro Ile
50 55 60

Gly Pro Lys Gly Asp Asn Gly Phe Val Gly Glu Pro Gly Pro Lys Gly
65 70 75 80

Asp Thr Gly Pro Arg Gly Pro Pro Gly Met Pro Gly Pro Ala Gly Arg
85 90 95

Glu Gly Pro Ser Gly Lys Gln Gly Ser Met Gly Pro Pro Gly Thr Pro
100 105 110

Gly Pro Lys Gly Glu Thr Gly Pro Lys Gly Gly Val Gly Ala Pro Gly
115 120 125

Ile Gln Gly Phe Pro Gly Pro Ser Gly Leu Lys Gly Glu Lys Gly Ala
130 135 140

Pro Gly Glu Thr Gly Ala Pro Gly Arg Ala Gly Val Thr Gly Pro Ser
145 150 155 160

Gly Ala Ile Gly Pro Gln Gly Pro Ser Gly Ala Arg Gly Pro Pro Gly
165 170 175

Leu Lys Gly Asp Arg Gly Asp Pro Gly Glu Thr Gly Ala Ser Gly Glu
180 185 190

Ser Gly Leu Ala Glu Val Asn Ala Leu Lys Gln Arg Val Thr Ile Leu
195 200 205

Asp Gly His Leu Arg Arg Phe Gln Asn Ala Phe Ser Gln Tyr Lys Lys
210 215 220

Ala Val Leu Phe Pro Asp Gly Gln Ala Val Gly Glu Lys Ile Phe Lys
225 230 235 240

Thr Ala Gly Ala Val Lys Ser Tyr Ser Asp Ala Glu Gln Leu Cys Arg
245 250 255

Glu Ala Lys Gly Gln Leu Ala Ser Pro Arg Ser Ser Ala Glu Asn Glu
260 265 270

Ala Val Thr Gln Met Val Arg Ala Gln Glu Lys Asn Ala Tyr Leu Ser
275 280 285

Met Asn Asp Ile Ser Thr Glu Gly Arg Phe Thr Tyr Pro Thr Gly Glu
290 295 300

Ile Leu Val Tyr Ser Asn Trp Ala Asp Gly Glu Pro Asn Asn Ser Asp
305 310 315 320

Glu Gly Gln Pro Glu Asn Cys Val Glu Ile Phe Pro Asp Gly Lys Trp
325 330 335

Asn Asp Val Pro Cys Ser Lys Gln Leu Leu Val Ile Cys Glu Phe
340 345 350

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 171 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly Leu Pro Gly His Asp Gly Gln Asp Gly Arg Glu Cys Pro His Gly
1 5 10 15

Glu Lys Gly Asp Pro Gly Ser Pro Gly Pro Ala Gly Arg Ala Gly Arg
20 25 30

Pro Gly Trp Val Gly Pro Ile Gly Pro Lys Gly Asp Asn Gly Phe Val
35 40 45

Gly Glu Pro Gly Pro Lys Gly Asp Thr Gly Pro Arg Gly Pro Pro Gly
50 55 60

Met Pro Gly Pro Ala Gly Arg Glu Gly Pro Ser Gly Lys Gln Gly Ser
65 70 75 80

Met Gly Pro Pro Gly Thr Pro Gly Pro Lys Gly Glu Thr Gly Pro Lys
85 90 95

Gly Gly Val Gly Ala Pro Gly Ile Gln Gly Phe Pro Gly Pro Ser Gly
100 105 110

Leu Lys Gly Glu Lys Gly Ala Pro Gly Glu Thr Gly Ala Pro Gly Arg
115 120 125

Ala Gly Val Thr Gly Pro Ser Gly Ala Ile Gly Pro Gln Gly Pro Ser
130 135 140

Gly Ala Arg Gly Pro Pro Gly Leu Lys Gly Asp Arg Gly Asp Pro Gly
145 150 155 160

Glu Thr Gly Ala Ser Gly Glu Ser Gly Leu Ala
165 170

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: misc.
- (B) LOCATION: 2
- (D) OTHER INFORMATION: /note= "2ND amino acid is a protein-constituting amino acid."

(ix) FEATURE:

- (A) NAME/KEY: misc.
- (B) LOCATION: 3
- (D) OTHER INFORMATION: /note= "3RD amino acid is a protein-constituting amino acid."

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Gly Xaa Xaa
1

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "synthesized DNA"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GGCTCGAGGG GGAGAGTGGG CTTGCAGA

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 28 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

(A) DESCRIPTION: /desc = "synthesized DNA"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GGGAATTCTC AAAACTCGCA GATCACAA